



TORQ Analysis of Helpers--Production Workers to Graders and Sorters, Agricultural Products

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Helpers--Production Workers	51-9198.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Graders and Sorters, Agricultural Products	45-2041.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

82

Ability TORQ				Skills TORQ				Knowledge TORQ			
Level		<div><div></div></div> 88		Level		<div><div></div></div> 79		Level		<div><div></div></div> 80	
Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
No Critical Gaps Recorded!				No Skills Upgrade Required!				No Knowledge Upgrades Required!			

LEVEL and IMPT (IMPORTANCE) refer to the Target Graders and Sorters, Agricultural Products. GAP refers to level difference between Helpers--Production Workers and Graders and Sorters, Agricultural Products.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Helpers--Production Workers	Graders and Sorters, Agricultural Products	Importance
Category Flexibility	35	34	53
Arm-Hand Steadiness	48	35	50

Skill Level Comparison - Abilities with importance scores over 69

Description	Helpers--Production Workers	Graders and Sorters, Agricultural Products	Importance
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Knowledge Level Comparison - Knowledge with importance scores over 69

Description	Helpers--Production Workers	Graders and Sorters, Agricultural Products	Importance
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Experience & Education Comparison

Related Work Experience Comparison

Required Education Level Comparison



Description	Helpers--Production Workers	Graders and Sorters, Agricultural Products	Description	Helpers--Production Workers	Graders and Sorters, Agricultural Products
10+ years	0%	0%	Doctoral	0%	0%
8-10 years	0%	0%	Professional Degree	0%	0%
6-8 years	0%	0%	Post-Masters Cert	0%	0%
4-6 years	0%	1%	Master's Degree	0%	0%
2-4 years	0%	0%	Post-Bachelor Cert	0%	0%
1-2 years	13%	0%	Bachelors	0%	0%
6-12 months	39%	0%	AA or Equiv	0%	0%
3-6 months	7%	2%	Some College	0%	1%
1-3 months	1%	0%	Post-Secondary Certificate	11%	0%
0-1 month	10%	0%	High School Diploma or GED	51%	37%
None	27%	95%	No HSD or GED	36%	60%

Helpers--Production Workers

Graders and Sorters, Agricultural Products

Most Common Educational/Training Requirement:

Short-term on-the-job training

Work experience in a related occupation

Job Zone Comparison

1 - Job Zone One: Little or No Preparation Needed

No previous work-related skill, knowledge, or experience is needed for these occupations. For example, a person can become a cashier even if he/she has never worked before.

These occupations may require a high school diploma or GED certificate. Some may require a formal training course to obtain a license.

Employees in these occupations need anywhere from a few days to a few months of training. Usually, an experienced worker could show you how to do the job.

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Tasks

Helpers--Production Workers

Graders and Sorters, Agricultural Products

Core Tasks

Core Tasks

Generalized Work Activities:

Generalized Work Activities:

- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Identifying Objects, Actions, and Events - Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.

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- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Judging the Qualities of Things, Services, or People - Assessing the value, importance, or quality of things or people.
- Documenting/Recording Information - Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.



Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.

Specific Tasks

Occupation Specific Tasks:

- Attach slings, ropes, and cables to objects such as pipes, hoses, and bundles.
- Break up defective products for reprocessing.
- Change machine gears, using wrenches.
- Clean and lubricate equipment.
- Count finished products to determine if product orders are complete.
- Cut or break flashing from materials or products.
- Dump materials such as prepared ingredients into machine hoppers prior to mixing.
- Examine products to verify conformance to quality standards.
- Fold products and product parts during processing.
- Help production workers by performing duties of lesser skill, such as supplying or holding materials or tools, and cleaning work areas and equipment.
- Lift raw materials, finished products, and packed items, manually or using hoists.
- Load and unload items from machines, conveyors, and conveyances.
- Mark or tag identification on parts.
- Measure amounts of products, lengths of extruded articles, or weights of filled containers to ensure conformance to specifications.
- Mix ingredients according to specified procedures and formulas.
- Observe equipment operations so that malfunctions can be detected, and notify operators of any malfunctions.
- Operate machinery used in the production process, or assist machine operators.
- Pack and store materials and products.
- Pack food products in paper bags and boxes, and stack them in warehouses and coolers.
- Perform minor repairs to machines, such as replacing damaged or worn parts.
- Place products in equipment or on work surfaces for further processing, inspecting, or wrapping.
- Position spouts or chutes of storage bins so that containers can be filled.
- Prepare raw materials for processing.
- Read gauges and charts, and record data obtained.

- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.

Specific Tasks

Occupation Specific Tasks:

- Discard inferior or defective products and/or foreign matter, and place acceptable products in containers for further processing.
- Examine product fibers through microscopes to determine maturity and spirality of fibers.
- Grade and sort products according to factors such as color, species, length, width, appearance, feel, smell, and quality to ensure correct processing and usage.
- Place products in containers according to grade and mark grades on containers.
- Record grade and/or identification numbers on tags or on shipping, receiving, or sales sheets.
- Separate fiber tufts between fingers to assess strength, uniformity, and cohesive quality of fibers.
- Weigh products or estimate their weight, visually or by feel.

Detailed Tasks

Detailed Work Activities:

- attach or mark identification onto products or containers
- grade, classify, or sort products according to specifications
- identify crop characteristics
- maintain safe work environment
- mark items for acceptance or rejection, according to conformance to specifications
- measure, weigh, or count products or materials
- perform safety inspections in agricultural, forestry, or fishing setting
- recognize plant diseases
- record test results, test procedures, or inspection data
- sort manufacturing materials or products
- understand second language
- use hazardous materials information
- use microscope
- use oral or written communication techniques
- use quality assurance techniques

Technology - Examples



- Record information such as the number of products tested, meter readings, and dates and times of product production.
- Remove products, machine attachments, and waste material from machines.
- Separate products according to weight, grade, size, and composition of materials used to produce them.
- Signal coworkers to direct them to move products during the production process.
- Start machines or equipment in order to begin production processes.
- Thread ends of items such as thread, cloth, and lace through needles and rollers, and around take-up tubes.
- Tie products in bundles for further processing or shipment, following prescribed procedures.
- Transfer finished products, raw materials, tools, or equipment between storage and work areas of plants and warehouses, by hand or using hand trucks or powered lift trucks.
- Turn valves to regulate flow of liquids or air, to reverse machines, to start pumps, or to regulate equipment.
- Unclamp and hoist full reels from braiding, winding, and other fabricating machines, using power hoists.
- Wash work areas, machines, equipment, vehicles, and products.

Detailed Tasks

Detailed Work Activities:

- adjust production equipment/machinery setup
- attach or mark identification onto products or containers
- clean equipment or machinery
- clean rooms or work areas
- examine products or work to verify conformance to specifications
- load or unload material or workpiece into machinery
- load, unload, or stack containers, materials, or products
- lubricate machinery, equipment, or parts
- maintain or repair industrial or related equipment/machinery
- maintain production or work records
- measure, weigh, or count products or materials
- mix paint, ingredients, or chemicals, according to specifications
- monitor production machinery/equipment operation to detect problems
- move or fit heavy objects
- operate food processing production equipment/machinery



- operate hoist, winch, or hydraulic boom
- operate metal or plastic fabricating equipment/machinery
- operate ore refining/foundry equipment/machinery
- operate packaging or banding machine or equipment
- operate pulp or paper making equipment
- operate textile production equipment/machinery
- operate woodworking equipment/machinery
- package goods for shipment or storage
- perform repetitive tasks in assembly setting
- perform safety inspections in manufacturing or industrial setting
- read work order, instructions, formulas, or processing charts
- signal directions or warnings to coworkers
- sort manufacturing materials or products
- wrap products

Technology - Examples

Data base user interface and query software

- Data entry software

Spreadsheet software

- Microsoft Excel

Word processing software

- Microsoft Word

Tools - Examples

- Adjustable wrenches
- Hand files
- Industrial platform scales
- Forklifts
- Grease guns
- Claw hammers
- Handtrucks
- Power hoists
- Hydraulic booms
- Hand jacks
- Label-making machines
- Platform ladders
- Locking pliers



- Personal computers
- Planing tools
- Jackhammers
- Power drills
- Power grinders
- Power nail guns
- Power sanders
- Power saws
- Pressure wands
- Hand saws
- Phillips head screwdrivers
- Skid steer loaders
- Material-hoisting slings
- Power staple guns
- Measuring tapes
- Utility knives
- Industrial vacuum cleaners
- Hydraulic winches

Labor Market Comparison

Description	Helpers--Production Workers	Graders and Sorters, Agricultural Products	Difference
Median Wage	\$ 22,260	\$ 17,170	\$(5,090)
10th Percentile Wage	\$ 17,160	\$ 14,650	\$(2,510)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 25,210	\$ 19,150	\$(6,060)
90th Percentile Wage	\$ 30,870	\$ 22,610	\$(8,260)
Mean Wage	\$ 23,130	\$ 17,900	\$(5,230)
Total Employment - 2007	1,490	170	-1,320
Employment Base - 2006	1,522	287	-1,235
Projected Employment - 2016	1,365	228	-1,137
Projected Job Growth - 2006-2016	-10.3 %	-20.5 %	-10.2 %
Projected Annual Openings - 2006-2016	37	4	-33



National Job Posting Trends

Trend for Helpers--Production Workers

Trend for
Graders
and
Sorters,
Agricultural
ProductsData from [Indeed](http://Indeed.com)

Recommended Programs

Agricultural/Farm Supplies Retailing and Wholesaling

Agricultural/Farm Supplies Retailing and Wholesaling. A program that prepares individuals to sell agricultural products and supplies, provide support services to agricultural enterprises, and purchase and market agricultural products. Includes instruction in basic business management, marketing, retailing and wholesaling operations, and applicable principles of agriculture and agricultural operations.

No schools available for the program

Agricultural and Food Products Processing Operatio

Agricultural and Food Products Processing. A program that prepares individuals to receive, inspect, store, process, and package agricultural products in the form of human food consumables, animal or plant food, or other industrial products. Includes instruction in the nutrient and industrial properties of various agricultural products; logistics and storage procedures; chemical and mechanical processing operations; packaging; safety and health requirements; and related technical and business principles.

No schools available for the program

Maine Statewide Promotion Opportunities for Helpers--Production Workers

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
51-9198.00	Helpers--Production Workers	100	1	1,490	\$22,260.00	\$0.00	-10%	37
51-6031.00	Sewing Machine Operators	83	1	1,080	\$22,440.00	\$180.00	-8%	10



51-6063.00	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	83	3	0	\$23,830.00	\$1,570.00	0%	0
51-2021.00	Coil Winders, Tapers, and Finishers	83	2	90	\$31,910.00	\$9,650.00	-53%	1
43-5053.00	Postal Service Mail Sorters, Processors, and Processing Machine Operators	80	2	970	\$41,950.00	\$19,690.00	-12%	10
51-6041.00	Shoe and Leather Workers and Repairers	80	2	90	\$25,030.00	\$2,770.00	-19%	3
51-6062.00	Textile Cutting Machine Setters, Operators, and Tenders	80	3	110	\$24,860.00	\$2,600.00	-13%	4
51-2092.00	Team Assemblers	80	2	3,850	\$23,730.00	\$1,470.00	-7%	82
43-9051.00	Mail Clerks and Mail Machine Operators, Except Postal Service	80	1	490	\$23,250.00	\$990.00	-19%	13
51-4121.06	Welders, Cutters, and Welder Fitters	80	2	1,610	\$38,030.00	\$15,770.00	7%	49
51-7021.00	Furniture Finishers	80	2	70	\$28,550.00	\$6,290.00	-31%	2
51-9195.07	Molding and Casting Workers	79	2	0	\$26,980.00	\$4,720.00	7%	20
51-4121.07	Solderers and Brazers	79	2	1,610	\$38,030.00	\$15,770.00	7%	49
51-9022.00	Grinding and Polishing Workers, Hand	78	1	270	\$31,060.00	\$8,800.00	4%	5
51-3092.00	Food Batchmakers	78	2	640	\$25,410.00	\$3,150.00	-7%	14

Top Industries for Graders and Sorters, Agricultural Products

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Grocery and related product wholesalers	424400	15.19%	6,392	6,990	9.35%
Support activities for agriculture and forestry; primary job	115000	10.55%	4,442	4,283	-3.59%
Crop production; primary job	111000	9.50%	4,001	2,652	-33.71%
Grocery stores	445100	8.75%	3,684	4,020	9.11%
Animal production; primary job	112000	8.65%	3,642	3,229	-11.34%
Fruit and vegetable preserving and specialty food manufacturing	311400	7.60%	3,200	2,901	-9.33%
Employment services	561300	7.37%	3,103	3,928	26.56%



Animal slaughtering and processing	311600	6.85%	2,883	3,290	14.13%
Farm product raw material merchant wholesalers	424500	6.73%	2,831	2,111	-25.46%
Federal government, excluding postal service	919999	4.20%	1,767	1,671	-5.47%
Other food manufacturing	311900	3.53%	1,487	1,559	4.85%
Miscellaneous nondurable goods merchant wholesalers	424900	2.05%	861	936	8.72%
Seafood product preparation and packaging	311700	1.87%	786	701	-10.80%
Specialty food stores	445200	1.67%	701	667	-4.91%
Forestry; primary job	113132	1.44%	605	565	-6.60%

Top Industries for Helpers--Production Workers

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Employment services	561300	22.19%	120,164	142,842	18.87%
Animal slaughtering and processing	311600	5.61%	30,385	36,112	18.85%
Printing and related support activities	323100	4.49%	24,300	19,253	-20.77%
Converted paper product manufacturing	322200	3.76%	20,372	17,096	-16.08%
Plastics product manufacturing	326100	3.35%	18,157	19,247	6.00%
Bakeries and tortilla manufacturing	311800	2.61%	14,121	14,424	2.15%
Architectural and structural metals manufacturing	332300	2.49%	13,499	14,418	6.80%
Other wood product manufacturing	321900	2.45%	13,261	12,496	-5.77%
Fruit and vegetable preserving and specialty food manufacturing	311400	1.83%	9,936	9,009	-9.33%
Motor vehicle parts manufacturing	336300	1.77%	9,606	7,648	-20.39%
Coating, engraving, heat treating, and allied activities	332800	1.68%	9,101	7,459	-18.03%
Household and institutional furniture manufacturing	337120	1.32%	7,166	5,452	-23.91%
Machine shops	332710	1.30%	7,021	5,808	-17.28%
Cement and concrete product manufacturing	327300	1.17%	6,321	6,861	8.55%
Other fabricated metal product manufacturing	332900	1.15%	6,215	5,507	-11.39%